

MEDICAID BLOOD LEAD TESTING

*Michigan Department
of Community Health*



MARCH 2005

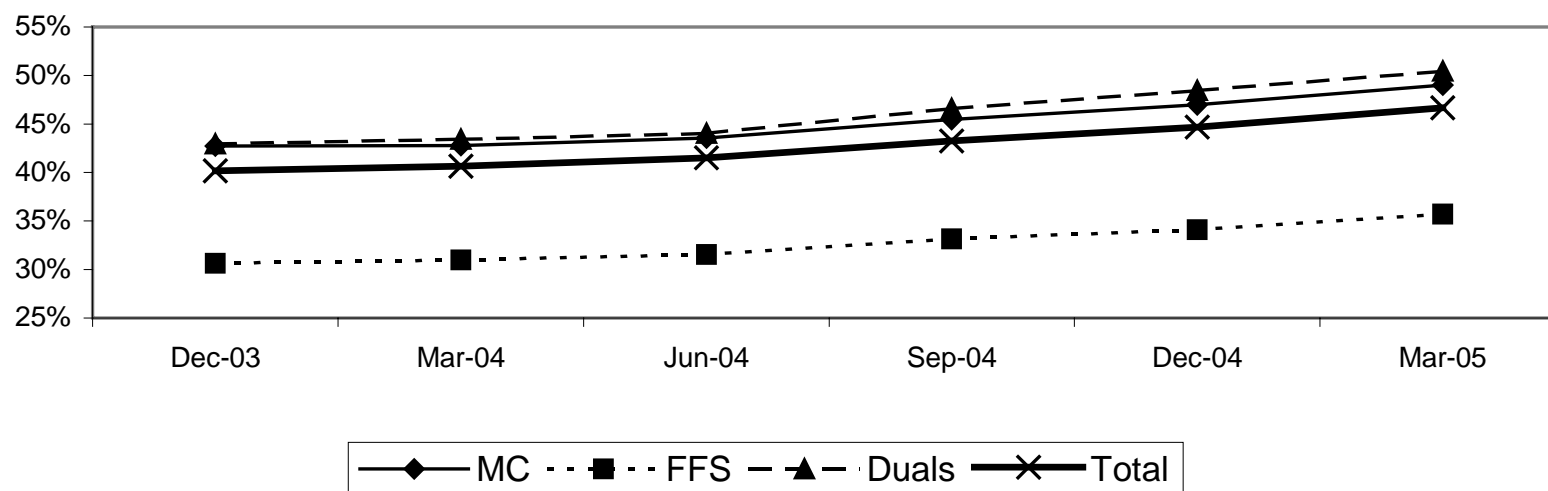
Blood Lead Testing Methodology

- Children must have been eligible for one of the following programs in March 2005
 - Medicaid Managed Care (MC)
 - enrolled in a Medicaid Health Plan (MHP)
 - Medicaid Fee-for-Service (FFS)
 - eligible for Medicaid Only FFS coverage
 - Medicaid and CSHCS Dual Eligible (Duals)
 - dually eligible for both Medicaid and CSHCS
- Blood lead testing results include children tested:
 - on or before indicated birthday for 2 and 3 year olds
 - at any time between ages 1 to 6
- Unique Client Identifier (UCI) used to establish link between Medicaid and lead databases

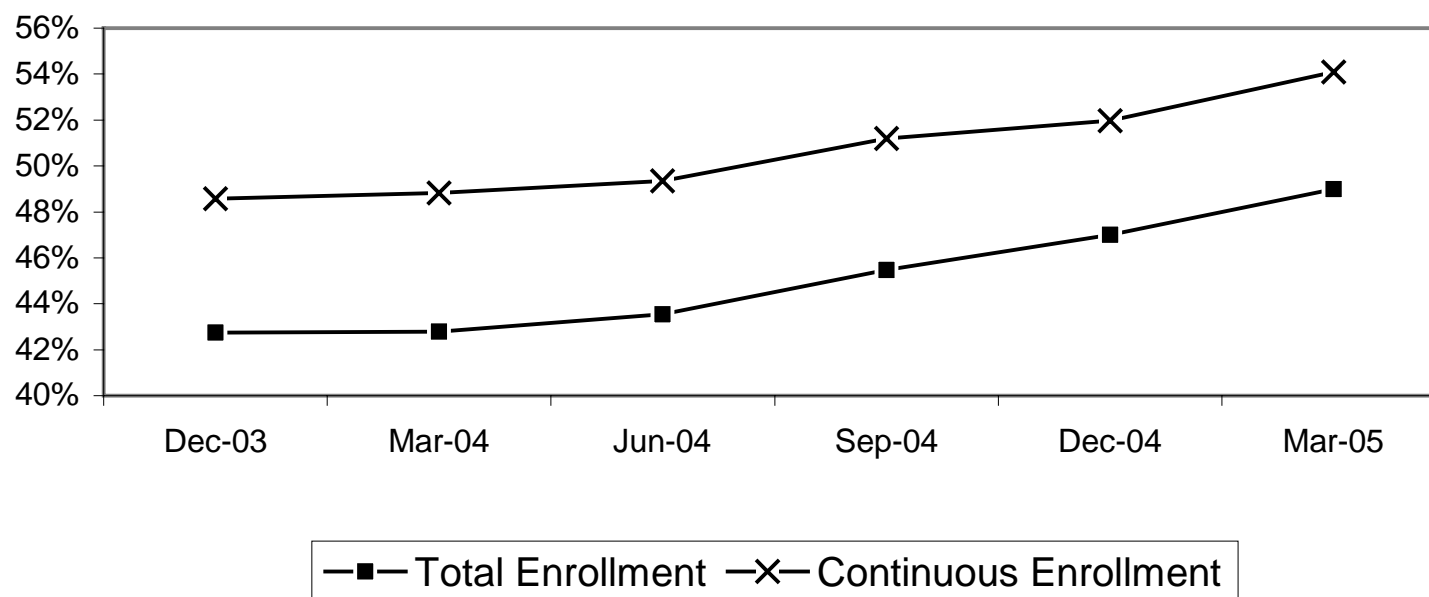
Blood Lead Testing Summary

- 2 year old children tested on or before their 2nd birthday
 - 41% Statewide
 - 58% City of Detroit
 - 43% Statewide for Medicaid MC
 - 32% Statewide for Medicaid Only FFS Eligibles
 - 45% Statewide for CSHCS Duals
- 3 year old children tested on or before their 3rd birthday
 - 47% Statewide
 - 69% City of Detroit
 - 49% Statewide for Medicaid MC
 - 54% Statewide for Medicaid MC with 12-Month Continuous Enrollment
 - 36% Statewide for Medicaid Only FFS Eligibles
 - 50% Statewide for CSHCS Duals

Children Receiving at Least One Lead Test on or before Third Birthday by Program Eligibility

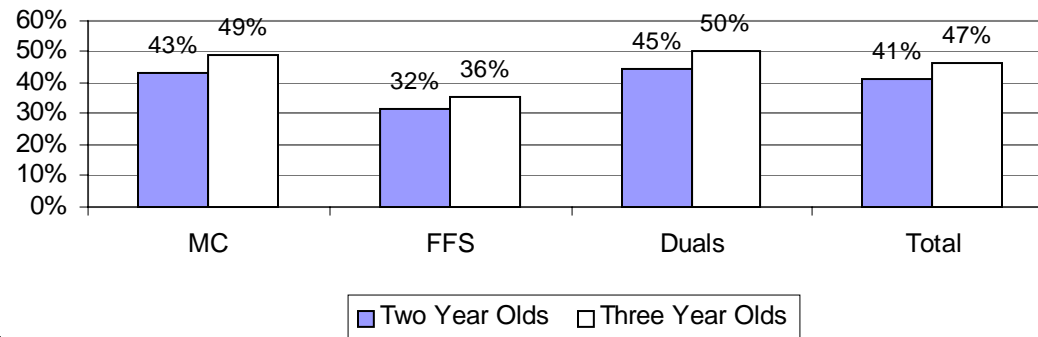


Managed Care Enrolled Children Receiving at Least One Lead Test on or before Third Birthday



- Total Enrollment
 - Enrolled in measurement month
- Continuous Enrollment
 - Based on MMIS eligibility system
 - Enrolled in same health plan for the measurement month and 12 months preceding 3rd birthday, with a 1-month allowable gap.

**Children Receiving at Least One Lead Test on or before
Indicated Birthday by Program Eligibility
March 2005**



**Children Ages One to Six with at Least One Blood Lead
Test by Program Eligibility
March 2005**

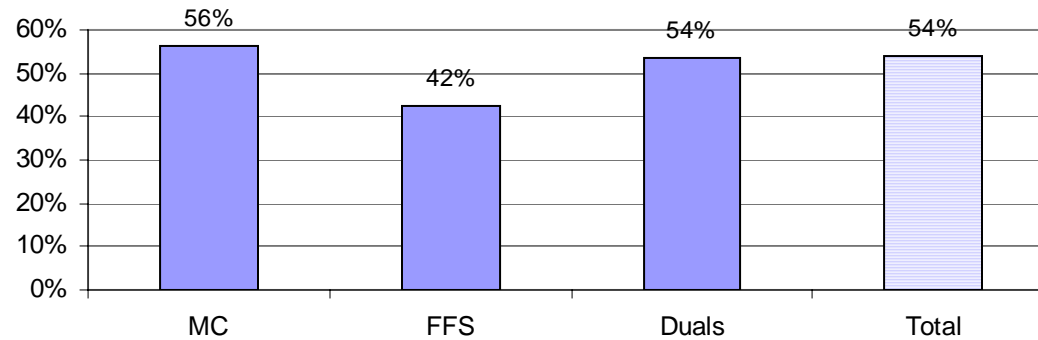


Table 1. Percent of Children with at Least One Blood Lead Test on or Before their Second Birthday

Program	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05
MC	35.3%	35.5%	35.9%	36.3%	36.9%	37.8%	38.5%	39.2%	39.9%	40.5%	41.1%	42.1%	43.0%
FFS	26.6%	26.7%	26.2%	25.9%	26.4%	26.6%	28.1%	28.7%	29.3%	29.7%	30.1%	30.4%	31.9%
Duals	39.9%	39.6%	40.9%	41.1%	41.5%	41.2%	41.4%	40.4%	41.7%	41.7%	43.1%	44.0%	44.7%
Total	33.9%	34.0%	34.4%	34.7%	35.2%	35.8%	36.7%	37.2%	38.1%	38.6%	39.2%	40.0%	41.1%

Table 2. Percent of Children with at Least One Blood Lead Test on or Before their Third Birthday

Program	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05
MC	42.8%	42.9%	43.1%	43.5%	44.3%	44.6%	45.5%	46.0%	46.4%	47.0%	47.7%	48.5%	49.0%
FFS	31.0%	30.3%	31.1%	31.5%	31.7%	32.4%	33.1%	33.5%	34.0%	34.1%	35.3%	35.4%	35.7%
Duals	43.4%	43.5%	43.1%	44.0%	44.2%	45.7%	46.6%	47.6%	47.7%	48.5%	50.3%	51.7%	50.4%
Total	40.6%	40.6%	41.1%	41.5%	42.1%	42.4%	43.3%	43.7%	44.3%	44.7%	45.6%	46.3%	46.7%

Table 3. Percent of Children Ages One to Six with at Least One Blood Lead Test

Program	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05
MC	48.0%	47.8%	48.3%	49.0%	49.5%	51.1%	52.0%	53.8%	54.1%	54.8%	55.7%	56.1%	56.5%
FFS	36.0%	35.4%	35.8%	36.1%	36.4%	38.1%	39.1%	40.4%	40.5%	41.1%	41.8%	42.1%	42.5%
Duals	48.2%	47.7%	48.0%	48.7%	49.2%	50.3%	50.5%	51.5%	51.7%	52.1%	53.2%	53.4%	53.7%
Total	45.8%	45.6%	46.2%	46.8%	47.3%	48.7%	49.6%	51.2%	51.6%	52.3%	53.2%	53.5%	53.9%

Table 4. Statewide Blood Lead Testing of Two and Three Year Old Children for All Programs

March 2005

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Alcona	46	18	39%	41	13	32%
Alger	43	30	70%	34	30	88%
Allegan	518	148	29%	463	169	37%
Alpena	141	58	41%	153	76	50%
Antrim	108	9	8%	101	12	12%
Arenac	93	17	18%	82	27	33%
Baraga	30	10	33%	42	20	48%
Barry	264	172	65%	209	159	76%
Bay	540	249	46%	575	267	46%
Benzie	74	21	28%	75	14	19%
Berrien	981	438	45%	912	472	52%
Branch	241	91	38%	231	80	35%
Calhoun	898	406	45%	824	371	45%
Cass	252	76	30%	276	97	35%
Charlevoix	96	12	13%	121	17	14%
Cheboygan	138	24	17%	178	36	20%
Chippewa	188	94	50%	197	102	52%
Clare	199	59	30%	196	51	26%
Clinton	217	36	17%	183	52	28%
Crawford	67	15	22%	61	12	20%
Delta	208	140	67%	195	162	83%
Dickinson	116	28	24%	112	31	28%
Eaton	388	217	56%	359	212	59%
Emmet	176	15	9%	168	13	8%
Genesee	2,837	929	33%	2,843	1,097	39%
Gladwin	131	23	18%	129	29	22%
Gogebic	76	11	14%	70	16	23%
Grand Traverse	365	26	7%	373	41	11%
Gratiot	233	79	34%	228	63	28%
Hillsdale	233	72	31%	239	94	39%
Houghton	140	38	27%	193	64	33%
Huron	143	52	36%	144	52	36%
Ingham	1,401	473	34%	1,372	580	42%
Ionia	296	86	29%	300	113	38%
Iosco	134	27	20%	144	30	21%
Iron	53	11	21%	53	17	32%
Isabella	273	56	21%	267	64	24%
Jackson	846	299	35%	822	294	36%
Kalamazoo	1,115	456	41%	1,124	479	43%
Kalkaska	111	29	26%	116	15	13%
Kent	3,167	2,088	66%	3,137	2,207	70%
Keweenaw	5	2	40%	15	7	47%

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Lake	65	30	46%	63	38	60%
Lapeer	341	53	16%	362	64	18%
Leelanau	43	17	40%	35	5	14%
Lenawee	457	153	33%	442	164	37%
Livingston	281	40	14%	282	56	20%
Luce	30	22	73%	25	19	76%
Mackinac	46	39	85%	37	32	86%
Macomb	2,511	852	34%	2,421	890	37%
Manistee	113	37	33%	109	25	23%
Marquette	293	89	30%	219	86	39%
Mason	139	38	27%	151	55	36%
Mecosta	237	109	46%	216	97	45%
Menominee	110	64	58%	115	80	70%
Midland	304	69	23%	331	79	24%
Missaukee	77	16	21%	75	10	13%
Monroe	526	194	37%	496	208	42%
Montcalm	315	109	35%	334	111	33%
Montmorency	44	10	23%	41	13	32%
Muskegon	1,148	539	47%	1,137	624	55%
Newaygo	262	122	47%	284	127	45%
Oakland	2,757	947	34%	2,748	992	36%
Oceana	177	78	44%	178	76	43%
Ogemaw	137	29	21%	138	46	33%
Ontonagon	21	5	24%	25	8	32%
Osceola	126	40	32%	145	49	34%
Oscoda	43	11	26%	42	6	14%
Otsego	128	8	6%	145	7	5%
Ottawa	845	279	33%	866	330	38%
Presque Isle	59	16	27%	45	18	40%
Roscommon	115	12	10%	137	19	14%
Saginaw	1,287	501	39%	1,396	601	43%
St Clair	734	223	30%	721	206	29%
St Joseph	408	111	27%	351	146	42%
Sanilac	234	76	32%	232	87	38%
Schoolcraft	44	34	77%	43	32	74%
Shiawassee	346	78	23%	351	91	26%
Tuscola	281	85	30%	288	83	29%
Van Buren	443	156	35%	487	221	45%
Washtenaw	890	227	26%	893	280	31%
Wayne ex Detroit	3,610	1,198	33%	3,489	1,414	41%
Detroit, City of	9,797	5,684	58%	9,837	6,791	69%
Wexford	205	46	22%	182	23	13%
MICHIGAN	47,610	19,586	41%	47,271	22,066	47%

Table 5. Statewide Blood Lead Testing of Two and Three Year Old Children Enrolled in Managed Care

March 2005

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Alcona	37	13	35%	36	12	33%
Alger	30	23	77%	24	22	92%
Allegan	396	122	31%	378	135	36%
Alpena	110	50	45%	129	64	50%
Antrim	0	0	NA	1	0	0%
Arenac	80	15	19%	68	23	34%
Baraga	18	5	28%	22	11	50%
Barry	136	89	65%	115	90	78%
Bay	464	215	46%	480	234	49%
Benzie	57	16	28%	44	5	11%
Berrien	829	384	46%	780	416	53%
Branch	195	74	38%	184	69	38%
Calhoun	774	362	47%	691	314	45%
Cass	195	65	33%	222	85	38%
Charlevoix	3	1	33%	5	1	20%
Cheboygan	3	0	0%	0	0	NA
Chippewa	133	61	46%	119	54	45%
Clare	3	2	67%	2	1	50%
Clinton	163	29	18%	152	46	30%
Crawford	54	10	19%	47	11	23%
Delta	172	120	70%	154	127	82%
Dickinson	83	19	23%	73	15	21%
Eaton	324	177	55%	291	173	59%
Emmet	1	1	100%	1	0	0%
Genesee	2,428	788	32%	2,456	948	39%
Gladwin	98	17	17%	91	19	21%
Gogebic	61	10	16%	56	12	21%
Grand Traverse	7	1	14%	7	3	43%
Gratiot	185	65	35%	177	51	29%
Hillsdale	190	64	34%	191	82	43%
Houghton	113	31	27%	158	49	31%
Huron	113	43	38%	107	41	38%
Ingham	1,155	390	34%	1,142	486	43%
Ionia	169	53	31%	181	66	36%
Iosco	118	22	19%	117	28	24%
Iron	46	10	22%	48	16	33%
Isabella	7	2	29%	4	2	50%
Jackson	697	260	37%	676	249	37%
Kalamazoo	960	403	42%	936	399	43%
Kalkaska	0	0	NA	1	0	0%
Kent	2,633	1,787	68%	2,605	1,886	72%
Keweenaw	5	2	40%	13	6	46%

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Lake	46	23	50%	44	23	52%
Lapeer	259	44	17%	271	52	19%
Leelanau	2	1	50%	1	0	0%
Lenawee	348	121	35%	360	139	39%
Livingston	237	36	15%	226	45	20%
Luce	24	16	67%	21	15	71%
Mackinac	31	24	77%	20	17	85%
Macomb	2,135	736	34%	2,026	760	38%
Manistee	88	29	33%	85	21	25%
Marquette	241	69	29%	179	69	39%
Mason	11	4	36%	6	2	33%
Mecosta	193	88	46%	177	75	42%
Menominee	85	47	55%	86	56	65%
Midland	14	3	21%	10	2	20%
Missaukee	63	15	24%	57	9	16%
Monroe	411	167	41%	393	168	43%
Montcalm	243	80	33%	266	91	34%
Montmorency	39	10	26%	32	12	38%
Muskegon	959	443	46%	952	531	56%
Newaygo	213	101	47%	232	108	47%
Oakland	2,350	837	36%	2,307	861	37%
Oceana	140	62	44%	143	63	44%
Ogemaw	112	22	20%	120	42	35%
Ontonagon	18	3	17%	18	6	33%
Osceola	99	34	34%	112	40	36%
Oscoda	36	9	25%	35	6	17%
Otsego	50	5	10%	53	3	6%
Ottawa	646	209	32%	666	265	40%
Presque Isle	48	13	27%	35	13	37%
Roscommon	96	9	9%	119	15	13%
Saginaw	1,134	441	39%	1,201	518	43%
St Clair	594	181	30%	597	173	29%
St Joseph	334	90	27%	282	118	42%
Sanilac	194	59	30%	183	68	37%
Schoolcraft	40	31	78%	37	31	84%
Shiawassee	292	68	23%	294	72	24%
Tuscola	207	63	30%	231	65	28%
Van Buren	385	141	37%	400	194	49%
Washtenaw	775	199	26%	766	244	32%
Wayne ex Detroit	3,114	1,056	34%	2,992	1,244	42%
Detroit, City of	8,687	5,083	59%	8,763	6,051	69%
Wexford	55	11	20%	62	8	13%
MICHIGAN	38,293	16,484	43%	37,844	18,546	49%

**Table 6. Statewide Blood Lead Testing of Two and Three Year Old Children Eligible for Medicaid Only Fee-for-Service Coverage
March 2005**

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Alcona	7	4	57%	5	1	20%
Alger	12	6	50%	9	7	78%
Allegan	102	18	18%	77	30	39%
Alpena	25	7	28%	21	10	48%
Antrim	105	9	9%	96	12	13%
Arenac	10	1	10%	11	3	27%
Baraga	12	5	42%	19	9	47%
Barry	122	79	65%	89	66	74%
Bay	72	34	47%	88	30	34%
Benzie	15	5	33%	25	8	32%
Berrien	134	43	32%	108	44	41%
Branch	40	14	35%	42	10	24%
Calhoun	105	36	34%	111	48	43%
Cass	48	8	17%	46	11	24%
Charlevoix	88	11	13%	109	14	13%
Cheboygan	132	23	17%	172	34	20%
Chippewa	51	32	63%	70	42	60%
Clare	193	56	29%	186	47	25%
Clinton	51	6	12%	24	6	25%
Crawford	9	3	33%	14	1	7%
Delta	29	17	59%	35	30	86%
Dickinson	29	9	31%	39	16	41%
Eaton	56	33	59%	61	35	57%
Emmet	169	14	8%	159	13	8%
Genesee	347	113	33%	338	124	37%
Gladwin	28	5	18%	31	8	26%
Gogebic	13	1	8%	11	4	36%
Grand Traverse	347	21	6%	361	37	10%
Gratiot	40	12	30%	45	10	22%
Hillsdale	38	6	16%	39	11	28%
Houghton	24	7	29%	30	12	40%
Huron	30	9	30%	32	9	28%
Ingham	212	67	32%	196	84	43%
Ionia	121	30	25%	112	44	39%
Iosco	14	4	29%	23	2	9%
Iron	4	1	25%	5	1	20%
Isabella	255	48	19%	250	58	23%
Jackson	124	26	21%	127	37	29%
Kalamazoo	121	34	28%	148	60	41%
Kalkaska	105	28	27%	112	15	13%
Kent	460	262	57%	466	273	59%
Keweenaw	0	0	NA	1	1	100%

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Lake	17	7	41%	18	15	83%
Lapeer	74	8	11%	86	10	12%
Leelanau	41	16	39%	34	5	15%
Lenawee	101	30	30%	74	21	28%
Livingston	39	4	10%	50	10	20%
Luce	5	5	100%	4	4	100%
Mackinac	13	13	100%	15	13	87%
Macomb	324	94	29%	349	110	32%
Manistee	24	8	33%	23	3	13%
Marquette	42	18	43%	35	15	43%
Mason	128	34	27%	142	53	37%
Mecosta	37	18	49%	35	21	60%
Menominee	22	15	68%	28	23	82%
Midland	284	65	23%	318	76	24%
Missaukee	11	1	9%	18	1	6%
Monroe	108	23	21%	91	36	40%
Montcalm	67	27	40%	61	17	28%
Montmorency	4	0	0%	6	1	17%
Muskegon	163	79	48%	158	72	46%
Newaygo	47	21	45%	47	16	34%
Oakland	362	99	27%	370	103	28%
Oceana	31	14	45%	35	13	37%
Ogemaw	22	5	23%	17	3	18%
Ontonagon	2	2	100%	6	2	33%
Osceola	22	4	18%	30	8	27%
Oscoda	6	2	33%	7	0	0%
Otsego	71	2	3%	86	4	5%
Ottawa	182	63	35%	181	58	32%
Presque Isle	9	3	33%	8	4	50%
Roscommon	17	3	18%	15	4	27%
Saginaw	131	52	40%	162	64	40%
St Clair	129	38	29%	109	30	28%
St Joseph	58	16	28%	60	24	40%
Sanilac	35	13	37%	43	17	40%
Schoolcraft	4	3	75%	6	1	17%
Shiawassee	46	8	17%	50	19	38%
Tuscola	64	17	27%	46	12	26%
Van Buren	48	13	27%	70	20	29%
Washtenaw	95	22	23%	113	30	27%
Wayne ex Detroit	433	114	26%	421	131	31%
Detroit, City of	919	479	52%	900	593	66%
Wexford	145	34	23%	114	15	13%
MICHIGAN	8,281	2,639	32%	8,384	2,994	36%

Table 7. Blood Lead Testing of Three Year Old Children by Length of Enrollment
March 2005

Health Plan Name	Total Enrollment			Continuous Enrollment			
	Eligibles	Eligibles with at least one lead test on or before 3rd birthday	Percent of Eligibles with at least one lead test on or before 3rd birthday	Eligibles	Eligibles with at least one lead test on or before 3rd birthday	Percent of Eligibles with at least one lead test on or before 3rd birthday	Percentage Point Difference with Continuous Enrollment
CAPE Health Plan	4,002	2,097	52%	2,008	1,201	60%	7
Community Choice Michigan	1,948	1,031	53%	1,318	763	58%	5
Great Lakes Health Plan, Inc.	4,396	1,779	40%	2,385	1,047	44%	3
Health Plan Of Michigan, Inc.	3,940	1,718	44%	1,706	909	53%	10
HealthPlus Partners, Inc.	2,718	1,151	42%	1,688	772	46%	3
M-Caid	875	265	30%	430	169	39%	9
McLaren Health Plan	1,990	674	34%	775	278	36%	2
Midwest Health Plan	2,420	1,373	57%	1,193	783	66%	9
Molina Healthcare of Michigan	6,145	3,239	53%	1,751	855	49%	-4
OmniCare Health Plan	2,140	1,408	66%	1,249	852	68%	2
PHP-MM Family Care	853	363	43%	450	223	50%	7
PHP of Southwest Michigan	1,606	701	44%	937	505	54%	10
Priority Health Government Programs, Inc.	1,844	1,147	62%	826	605	73%	11
Total Health Care	1,936	1,092	56%	1,012	632	62%	6
Upper Peninsula Health Plan	1,031	508	49%	663	353	53%	4
Managed Care Totals/Percent	37,844	18,546	49%	18,391	9,947	54%	5
Current Performance Monitoring Standard			45%	50%			

FFS (Title XIX only)	8,384	2,994	36%	2,926	979	33%	-2
FFS (Title V/XIX)	1,043	526	50%	668	298	45%	-6
FFS Totals (Title XIX and V/XIX)	9,427	3,520	37%	3,594	1,277	36%	-2

Total Enrollment:

- Based on MMIS eligibility system
- Enrolled in plan (health plan or FFS) for the measurement month

Continuous Enrollment:

- Based on MMIS eligibility system
- Enrolled in same plan (health plan or FFS) for the measurement month and 12 months preceding 3rd birthday, with 1-month allowable gap